

Collaboration, Communities, Well-being and Information System

**Abdul Rahman Bin Ahmad Dahlan
Muhd Rosydi Bin Muhammad**



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ABSTRACT

Natural disasters have cause devastation and unpredictable impacts, spreading widely across communities, resulting in sudden damage to infrastructure, transportation, communication, property, and losses of life, health, and livelihood. This paper is to review studies on frequent landslide occurrences at places, which are highly populated; the impacts of these disasters are damages to properties and losses of life. From previous studies, it was found that little actions were taken by the related organizations or agencies in order to learn from previous mistakes and weaknesses. From reports, landslides were caused mainly by failures of retaining walls combined with other key factors such as lack of maintenance, lack of information sharing and coordination between agencies and companies involved in the design, development and construction of projects. Adopting Open Innovation through Quadruple Helix Model collaborations – fostering knowledge sharing between companies, public, academia and citizens, as stated in the Malaysian National Innovation Policy, is deemed necessary.

12.1 INTRODUCTION

In the recent few years, Short Message Service (SMS) has emerged as a popular means of communication between mobile users. Nowadays, SMS, as an application, is not only limited to friendly text-messaging, but has grown in usage into areas such as health care, customer care, and even rapid information dissemination purposes. In such a scenario, it has become crucial to assess the reliability of SMS network. This